

# Woodward-Clyde Consultants



Engineering & sciences applied to the earth & its environment

June 25, 1993  
87X4660

REC'D 6-29-93  
F.B.

5 NEW OFF-SITE  
4 NEW BACKGROUND

Mr. Frank Battaglia  
USEPA Region I  
90 Canal Street  
Boston, MA 02114

## Re: Upcoming Field Schedule and Approval of Off-site Locations

Dear Frank:

Woodward-Clyde Consultants is planning to begin field activities at the Cranston facility on July 6, 1993. This field investigation will include performing both Phase II and Stabilization activities. Our field schedule is presented in Figure 1. The start and completion dates and task durations are tentative. Deviations from this schedule are likely to occur. Scheduling progress will be documented in the monthly reports submitted to USEPA.

A few activities proposed for the Stabilization Investigation will be performed during this investigation. We are planning to install two of the three recovery wells proposed for the groundwater extraction system and all of the wells proposed for the soil vapor extraction system. Soil sampled from the recovery well borings will be analyzed (for field grain size distribution) first, so that well materials can be ordered. If USEPA has any comments on the location or construction of these wells, we would like to resolve these issues prior to the start of these tasks.

The Phase II activities will include sampling of soil from the off-site locations (background and additional off-site). New locations to be sampled must be approved first by USEPA. Possible sample locations in the off-site environment were evaluated on June 2, 1993. These locations are shown in Figure 2. Ms. Leber will be in Cranston on June 29, 1993, to review these proposed locations. USEPA may wish to evaluate these locations with Ms. Leber. If you can schedule this opportunity, please let Diane know before June 28, 1993. After USEPA approves these locations, CIBA-GEIGY will attempt to obtain permission from the landowners to perform these sampling activities.

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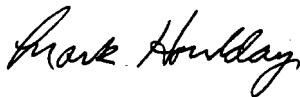
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Mr. Frank Battaglia  
USEPA Region I  
June 25, 1993  
Page 2

**Woodward-Clyde  
Consultants**

Should you have any questions or comments, please feel free to contact either myself or Diane Leber.

Very truly yours,



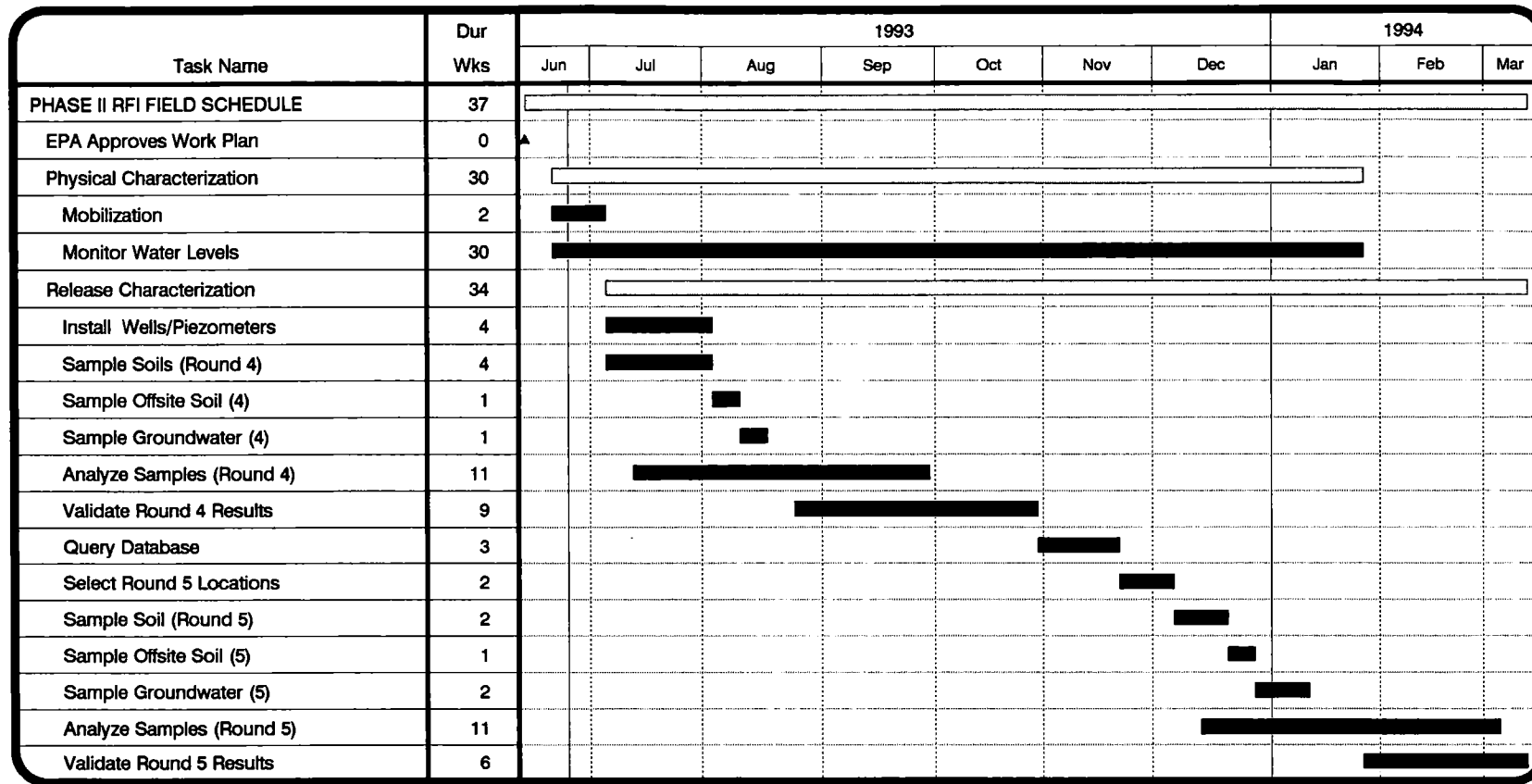
Mark Houlday  
Project Manager

cc: Diane Leber

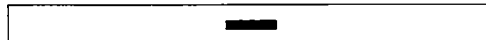




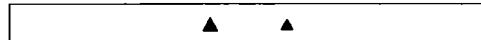
**Phase II RFI Field Schedule**  
Former CIBA-GEIGY Facility, Cranston, Rhode Island



Actual



Milestone



**Figure 1**

**KEY TO PROPOSED OFF-SITE LOCATIONS  
(FOR PHASE II)**



**ADDITIONAL OFF-SITE LOCATIONS**

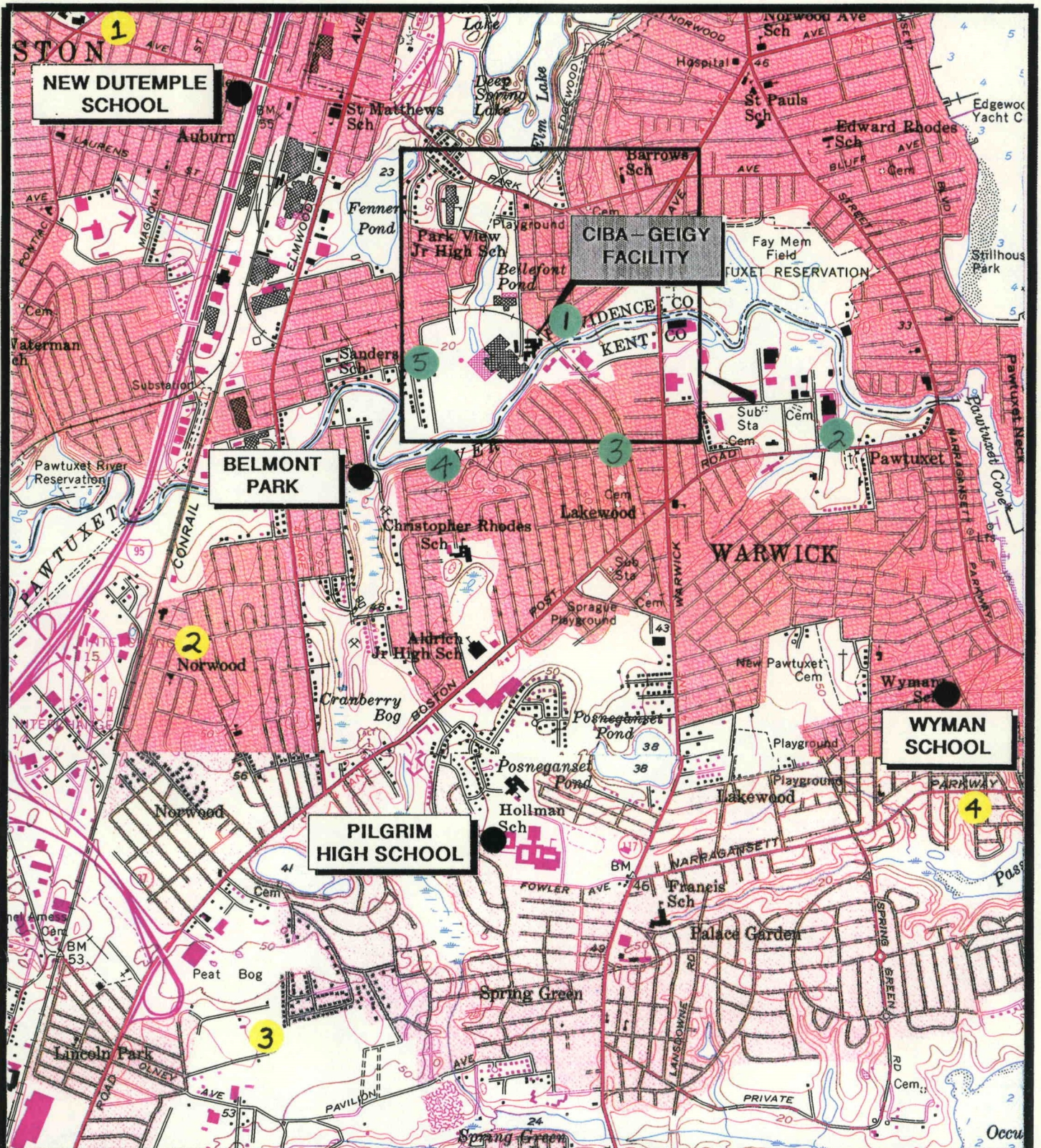
- 1 - ROBERT'S CIRCLE RESIDENCE
- 2 - PAWTUXET INDUSTRIAL PARK
- 3 - CIBA-GEIGY RAILROAD RIGHT-OF-WAY
- 4 - HIGH GROUND ALONG PAWTUXET RIVER
- 5 - AMERICAN PLATING CO. (LAWN AREA)



**BACKGROUND**

- 1 - FIRE STATION NEXT TO CRANSTON CITY HALL ANNEX
- 2 - WARWICK BOY'S AND GIRL'S CLUB
- 3 - MARANDOLA HEATING & PLUMBING
- 4 - WILSON RESIDENCE





#### MAP SOURCE:

USGS MAP 7.5 MINURE SERIES (TOPOGRAPHIC)  
PROVIDENCE, RI, PHOTOREVISED 1970, 1975.



0 2000 4000 FT  
SCALE

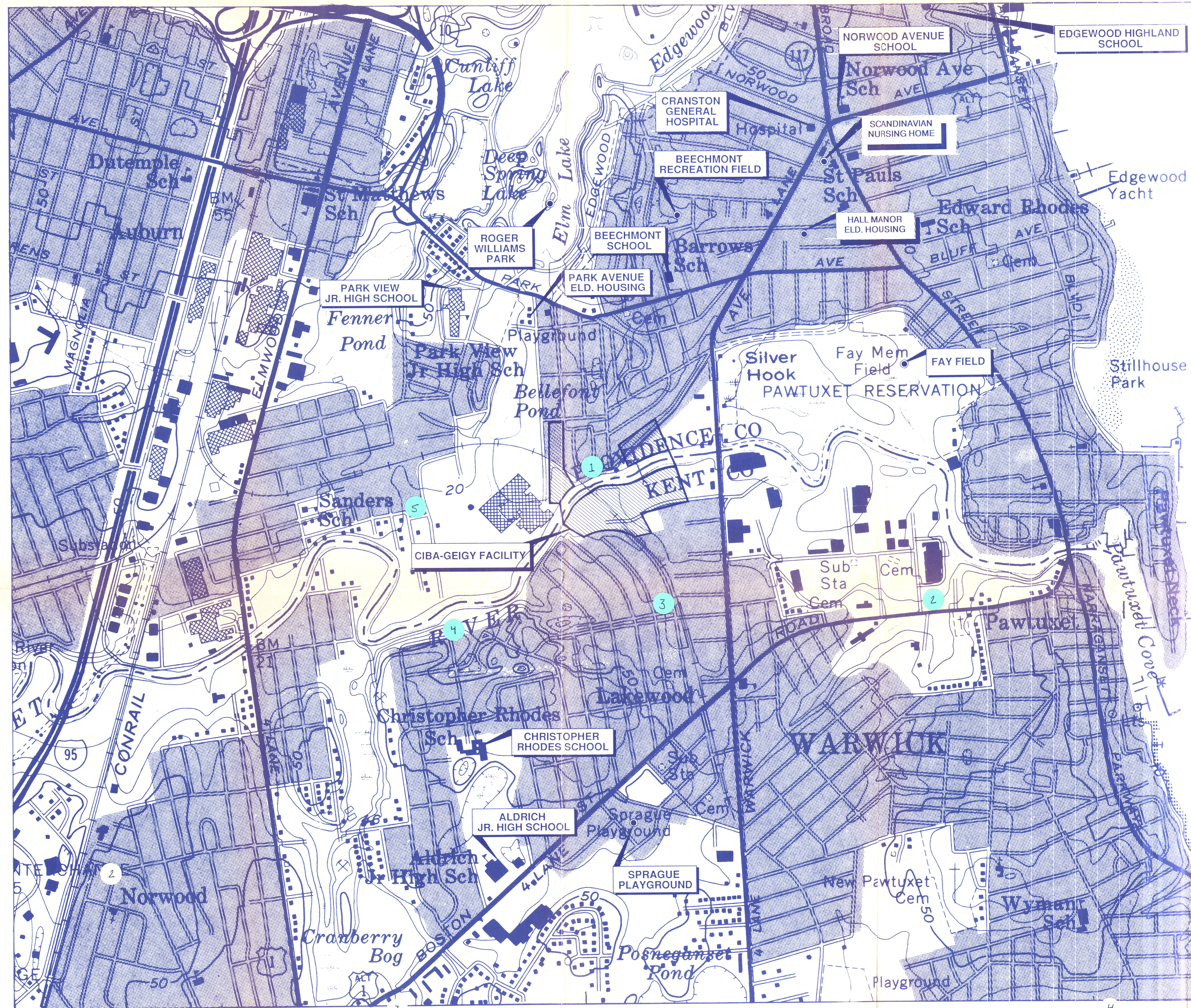
#### BACKGROUND SOIL SAMPLING LOCATIONS CIBA-GEIGY FACILITY CRANSTON, RHODE ISLAND

#### WOODWARD-CLYDE CONSULTANTS

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS  
WAYNE, NEW JERSEY

DR. BY:	SCALE: AS SHOWN	PROJ. NO.: 87X4660
CK'D BY: KAK	DATE: NOV 4 1991	FIG. NO.: 2





### PROPOSED PHASE II LOCATIONS

● ADDITIONAL OFF-SITE

1. RESIDENCE ON ROBERTS CIRCLE
2. PAWTUXET INDUSTRIAL PARK
3. CIBA-GEIGY RAILROAD RIGHT OF WAY
4. HIGH GROUND ALONG PAWTUXET RIVER
5. AMERICAN PLATING Co. (LAWN AREA)

### BACKGROUND

1. FIRE STATION NEXT TO CRANSTON CITY HALL
2. WARWICK BOY'S & GIRL'S CLUB
3. MARANDOLA HEATING & PLUMBING
4. WILSON RESIDENCE

### THE ADDITIONAL OFF-SITE SAMPLING LOCATIONS

### WOODWARD-CLYDE CONSULTANTS

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS  
WAYNE, NEW JERSEY

DR. BY:	FD	SCALE:	NONE	PROJ. NO.:	87X4660
CH'D. BY:	KAK	DATE:	21 OCT 1991	FIG. NO.:	10-5